



EVERSHEDS

Dated

1 NOVEMBER

2007

- (1) Croda International plc
- (2) The Lubrizol Corporation

Patent Deed of Assignment

THIS DEED is made on 1 NOV 2007

BETWEEN

- (1) CRODA INTERNATIONAL PLC (registered number. 206132) whose registered office is at Cowick Hall, Snaith, Goole, East Yorkshire DN14 9AA (the "Assignor"); and
- (2) THE LUBRIZOL CORPORATION whose registered office is at 29400 Lakeland Boulevard, Wickliffe, Ohio 4092 (the "Assignee")

BACKGROUND

- (A) The Assignor is the proprietor of the patents and pending applications set out in **Schedule 1** (the "Patents").
- (B) The Assignor has agreed to assign of the Patents to the Assignee pursuant to a sale and purchase Agreement dated 1 September 2007 (the "SPA").

OPERATIVE PROVISIONS

1. ASSIGNMENT

The Assignor hereby assigns to the Assignee all the right, title and interest it has in the Patents, including all rights, privileges and advantages attaching or relating thereto (including the right to sue for past infringements and the right to retain any damages or other benefits as a result of such action).

2. FURTHER ASSURANCE

The Assignor agrees to execute, at the Assignee's expense, such further documents as may be reasonably requested by the Assignee to give full effect to the terms of this Agreement.

3. CONTRACTS (RIGHTS OF THIRD PARTIES) ACT 1999

The parties to this Deed do not intend that any of its terms will be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person not a party to it.

4. GOVERNING LAW AND JURISDICTION

The formation, existence, construction, performance, validity and all aspects whatsoever of this Deed or of any term of this Deed shall be governed by English Law. The English courts shall have exclusive jurisdiction to settle any disputes which may arise out of or in connection with this Deed. The parties agree to submit to that jurisdiction.

5. **SCHEDULE**

The Schedule forms part of this Deed and will have the same force and effect as if expressly set out in the body of this Deed and any reference to this Deed will include the Schedule.

This document is executed as a deed and delivered on the date stated at the beginning of this Deed.

SCHEDULE 1

Family No. : 34689

Descriptive Title : Ester lubricants for use with Arcton 134A in refrigerators etc.

Base Application Data : 8905795.4 14 Mar 1999 GB

Abstract:

A working fluid/lubricant combination for use in a mechanical vapour recompression type heat transfer device wherein the working fluid comprises a hydrofluorocarbon, hydrochlorofluorocarbon or chlorofluorocarbon and the lubricant comprises an ester having a molecular weight greater than 250,

Official Title :

Working fluid/lubricant combination

Applicant / Patentee:

Croda International Plc

Country	Application Details		Publication Details		Grant Details		Expiry Date	Status
United Kingdom	8905795.4	14 Mar 1989	2216541 A	11 Oct 1989	2216541	23 Oct 1991	14 Mar 2009	Live - Granted
Bophuthatswana	89/0037	21 Mar 1989			89/0037	19 Sep 1991	21 Mar 2009	Live - Granted
Venda	89/0032	22 Mar 1989			89/0032	28 Sep 1990	22 Mar 2009	Live - Granted
South Africa	89/2140	21 Mar 1989		23 Sep 1989	89/2140	25 Jul 1990	21 Mar 2009	Live - Granted
Transkei	89/0025	21 Mar 1989			89/0025	25 Apr 1991	21 Mar 2009	Live - Granted

Wilton

Family No. : 36610

Base Application Data : 9121657.2 11 Oct 1991 GB

Descriptive Title :

R-22 replacement lubricants comprising neopentyl polyol esters or polyalkylene glycols

Abstract:

A working fluid composition comprising: (A) a heat transfer fluid comprising a mixture of at least two hydrofluoroalkanes selected from the group consisting of difluoromethane, 1,1,1,2-tetrafluoroethane and pentafluoroethane; and (B) a sufficient amount of a lubricant to provide for lubrication of a compressor wherein the lubricant is at least partially soluble in each component of the heat transfer fluid and comprises one or more compounds of general formula:

$$R(O-C-R_1)_n$$

Official Title :

Working fluids

Applicant / Patentee: Croda International Plc

Country	Application Details		Publication Details		Grant Details		Expiry Date	Status
Italy [EP]	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	0536940	21 Nov 2001	30 Sep 2012	Live - Granted
New Zealand	244628	06 Oct 1992			244628	12 Sep 1995	06 Oct 2012	Live - Granted
Germany [EP]	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	69232218.3-0.21	Nov 2001	30 Sep 2012	Live - Granted
Mexico	925809	09 Oct 1992			207639	30 Apr 2002	09 Oct 2012	Live - Granted
Canada	2080278-2	09 Oct 1992			2080278	20 Apr 2004	09 Oct 2012	Live - Granted
Brazil	P19203942	09 Oct 1992	UNKNOWN	12 Apr 1993	P19203942-1	05 Sep 2000	05 Sep 2015	Live - Granted
Australia	29314/02	06 Oct 1992	781207	11 Apr 1993				Pending - Opposed
Norway	923943	09 Oct 1992			307793	29 May 2000	09 Oct 2012	Live - Granted
United Kingdom [EP]	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	0536940	21 Nov 2001	30 Sep 2012	Live - Granted
Finland	924476	05 Oct 1992			110949	30 Apr 2003	05 Oct 2012	Live - Granted
Malaysia	P19201819	08 Oct 1992			MY-110213-A.28	Feb 1998	28 Feb 2013	Live - Granted
Taiwan	81108448	23 Oct 1992			NI-69005	11 Apr 1995	23 Oct 2012	Live - Granted
Thailand	17090	09 Oct 1992	13938	20 May 1994				Live - Pending
United States	2	08/976658			6245254	12 Jun 2001	07 Oct 2012	Live - Granted
India	905/DEL/92	09 Oct 1992			185893	14 Dec 2001	09 Oct 2012	Live - Granted
Europe	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	0536940	21 Nov 2001	30 Sep 2012	Granted - Opposed
Argentina	323617	10 Nov 1992			254442	30 Aug 2000	30 Aug 2015	Live - Granted
Philippines	45061	07 Oct 1992			1-1992-4506107	Oct 2005	07 Oct 2022	Live - Granted
Denmark [EP]	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	0536940	21 Nov 2001	30 Sep 2012	Live - Granted
France [EP]	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	0536940	21 Nov 2001	30 Sep 2012	Live - Granted
Korea (South)	18672/92	10 Oct 1992			250542	05 Jan 2000	10 Oct 2012	Live - Granted
Spain [EP]	92308922.1	30 Sep 1992	536940 A2	14 Apr 1993	0536940	21 Nov 2001	30 Sep 2012	Live - Granted
South Africa	92/7690	06 Oct 1992			92/7690	29 Sep 1993	06 Oct 2012	Live - Granted
China	92113072.4	10 Oct 1992	UNKNOWN	02 Jun 1993	92113072.4	10 Oct 1998	10 Oct 2012	Live - Granted

Family No. : 50746

Descriptive Title : Lubricant composition

Base Application Data : 9901667.7 26 Jan 1999 GB

Abstract: A lubricant composition containing an anti-deposition component having an anti-deposition effect which is especially useful for the lubrication of refrigeration compressors and in reducing or removal of unwanted deposits in constricted areas in a refrigeration system.

Official Title : Refrigeration Lubricant Composition

Applicant / Patentee: Croda International Plc

Country	Application Details	Publication Details	Grant Details	Expiry Date	Status
US [PCT]	09/912316 26 Jan 2000	WO00/44860 03 Aug 2000	6849583 01 Feb 2005	26 Jan 2020	Live - Granted
European [PCT]	00901219.6 26 Jan 2000	1151065 07 Nov 2001			Live - Pending

Family No. :

50864

Descriptive Title :

A foaming lubricant composition and its use in refrigeration systems

Base Application Data :

0001981.0

31 Jan 2000

GB

Abstract:

A lubricant composition, has a synthetic lubricant base oil, preferably a polyol ester, and a polyether foam-inducing additive. The composition is suitable for use in a refrigerant system, particularly with HFC refrigerant gases. The foam-inducing additive is an alternative to known silicon-containing foam-inducing additives, which are not suitable for all refrigerant systems.

Official Title :

Refrigerant Lubricant Composition comprising a foam-inducing additive

Applicant / Patentee:

Croda International Plc

Country	Application Details		Publication Details		Grant Details		Expiry Date	Status
Taiwan	090101891	31 Jan 2001			1225515	21 Dec 2004	31 Jan 2021	Live - Granted
Thailand	063252	26 Jan 2001	55155	20 Feb 2003				Live - Pending
Singapore [PCT]	200204152-3	24 Jan 2001	WO01/57165	09 Aug 2001	90405	31 Aug 2005	24 Jan 2021	Live - Granted
Malaysia	P120010392	30 Jan 2001						Live - Pending
S Korea [PCT]	2002-7009794	24 Jan 2001	2002-68545	09 Aug 2001	675248	22 Jan 2007	24 Jan 2021	Live - Granted
Japan [PCT]	2001-557984	24 Jan 2001	2003-522254	09 Aug 2001				Live - Pending
Italy [EP]	01902469.4	24 Jan 2001	1252278	09 Aug 2001	1252278	27 Sep 2006	24 Jan 2021	Live - Granted
France [EP]	01902469.4	24 Jan 2001	1252278	09 Aug 2001	1252278	27 Sep 2006	24 Jan 2021	Live - Granted
Spain [EP]	01902469.4	24 Jan 2001	1252278	09 Aug 2001	1252278	27 Sep 2006	24 Jan 2021	Live - Granted
China [PCT]	01804343.7	24 Jan 2001	CN1396949A	09 Aug 2001	ZL01804343.1	13 Jul 2005	24 Jan 2021	Live - Granted

Family No. : 50949

Base Application Data : 0105065.7 01 Mar 2001 GB

Descriptive Title : Mixed synthetic lubricants (alkylbenzenes/polyol esters) for use in refrigeration applications, espec. in fixed-vane rotary compressors

Abstract: A lubricant composition for use in a rotary vane compressor has a base oil component that comprises an alkylbenzene as a major component thereof and a polyol ester as a minor component thereof. In particular, the base oil component comprises at least 55% by weight of alkyl- benzene and at most 45% by weight of a polyol ester, more preferably between 55% and 75% by weight of alkylbenzene and between 45% and 25% by weight of polyol ester.

Official Title : Refrigerator Lubricant Compositions

Applicant / Patentee: Croda International Plc

Country	Application Details		Publication Details		Grant Details		Expiry Date	Status
US [PCT]	10/647531	27 Feb 2002	2004-0063590	12 Sep 2002	7176169	13 Feb 2007	27 Feb 2022	Live - Granted
Thailand	071997	27 Feb 2002						Live - Pending
S Korea [PCT]	2003-7011401	27 Feb 2002	2003-80048	12 Sep 2002				Live - Pending
Japan [PCT]	2002-570665	27 Feb 2002	2004-526832	12 Sep 2002				Live - Pending
India [PCT]	01245/DELNP/227 Feb 2002		WO02/070637	12 Sep 2002				Live - Pending
European [PCT]	02701433.1	27 Feb 2002	1366139	12 Sep 2002				Live - Pending
China [PCT]	02805777.5	27 Feb 2002	WO02/070637	12 Sep 2002				Live - Pending
Brazil [PCT]	P10207575-0	27 Feb 2002	WO02/070637	12 Sep 2002				Live - Pending

Family No. : 51164

Descriptive Title : Use of phosphate esters as noise and vibration reducers in a lubricant composition in a compressor

Base Application Data : 0504496.1 04 Mar 2005 GB

Abstract:

Use of a phosphate ester additive to reduce noise in and around a refrigerator compressor and a method for reducing noise in and around a refrigerator compressor by the addition of a phosphate ester additive to a refrigeration lubricant in the compressor. The phosphate ester additive reduces noise in and around the compressor with minimal foaming of the lubricant. Furthermore the phosphate ester additive does not contain silicon.

Official Title : Noise reducing additive

Applicant / Patentee: Croda International Plc

Country	Application Details	Publication Details	Grant Details	Expiry Date	Status
P.C.T.	GB2006/00064324 Feb 2006	WO2006/0925608 Sep 2006			Live - Pending
US [PCT]	AWAITED 24 Feb 2006	WO2006/0925608 Sep 2006			Pending - Searched
S Korea [PCT]	AWAITED 24 Feb 2006	WO2006/0925608 Sep 2006			Pending - Searched
European [PCT]	06709875.6 24 Feb 2006	WO2006/0925608 Sep 2006			Pending - Searched
China [PCT]	AWAITED 24 Feb 2006	WO2006/0925608 Sep 2006			Pending - Searched

SIGNED AS A DEED by)
Croda International plc)
acting by and) **SEAN CHRISTIE (DIRECTOR)**
a director and its secretary ~~or two directors~~:) **LOUISE SCOTT (SECRETARY)**

Director



Director/Secretary



SIGNED by)
duly authorised for and on behalf of)
The Lubrizol Corporation)
in the presence of:)

Witness signature:

Name:

Address:

Occupation:

SIGNED AS A DEED by)
Croda International plc)
acting by and)
a director and its secretary or two directors:)

Director

Director/Secretary

SIGNED by *S.F. Kirk*) *S.F. KIRK*
duly authorised for and on behalf of)
The Lubrizol Corporation)
in the presence of: *PEGGY WYSZYNSKI*)

Witness signature: *Peggy Wyszynski*

Name: *PEGGY WYSZYNSKI*

Address: *29400 LAKE LAND BLVD., WICKLIFFE OH 44092*

Occupation: *LEGAL ASSISTANT*